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DDDDDDDDDDDDDD	CCCCCCCCCCCC	LLL
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DDDDDDDDDDDDDD	CCCCCCCCCCCC	LLLLLLLLLLLL
DDDDDDDDDDDDDD	CCCCCCCCCCCC	LLLLLLLLLLLL

\*\*FILE\*\*ID\*\*RPSUB

RRRRRRRR	PPPPPPPP	SSSSSSSS	UU	UU	BBBBBBBB
RRRRRRRR	PPPPPPPP	SSSSSSSS	UU	UU	BBBBBBBB
RR RR	PP PP	PP SS	UU	UU	BB
RR RR	PP PP	PP SS	UU	UU	BB
RR RR	PP PP	PP SS	UU	UU	BB
RR RR	PP PP	PP SS	UU	UU	BB
RRRRRRRR	PPPPPPPP	SSSSSS	UU	UU	BBBBBBBB
RRRRRRRR	PPPPPPPP	SSSSSS	UU	UU	BBBBBBBB
RR RR	PP	SS	UU	UU	BB
RR RR	PP	SS	UU	UU	BB
RR RR	PP	SS	UU	UU	BB
RR RR	PP	SS	UU	UU	BB
RR RR	PP	SS	UU	UU	BB
RR RR	PP	SS	UU	UU	BB
RR RR	PP	SS	UU	UU	BB
RR RR	PP	SS	UU	UU	BB
RR RR	PP	SS	UU	UU	BB
LL		SSSSSSSS			
LL		SSSSSSSS			
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LL		SS			
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(2)	54	DECLARATIONS
(3)	77	GET QUALIFIER DESCRIPTOR BLOCK
(4)	138	FIND COMMAND QUALIFIER
(5)	203	EXTRACT RESULT DESCRIPTOR FIELDS
(6)	265	SET RESULT DESCRIPTOR ADDRESS
(7)	296	GET PARAMETER
(8)	345	RESULT PARSE INIT

0000 1 .TITLE RPSUB - DCL RESULT PARSE SUBROUTINES  
0000 2 .IDENT 'V04-000'  
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0000 50 \*\*\*  
0000 51 \*\*\*  
0000 52 ;--  
  
++  
FACILITY: STARLET DCL CLI  
ABSTRACT: MISC SUBROUTINES  
ENVIRONMENT: NATIVE MODE USER CODE  
AUTHOR: W.H.BROWN, CREATION DATE:14-APR-77  
MODIFIED BY:  
V03-003 PCG0003 Peter George 15-Feb-1983  
Update to new structure level.  
Handle larger PTR data structure.  
Move DCLS\$CNVASCBIN to CONVERT.  
V03-002 PCG0002 Peter George 14-Nov-1982  
Call DCL\$TRIM to process the numeric string  
before converting it to an integer.  
V03-001 PCG0001 Peter George 30-Sep-1982  
Use new larger PTR data structure.

0000 54 .SBTTL DECLARATIONS  
0000 55 :  
0000 56 : MACRO LIBRARY CALLS  
0000 57 :  
0000 58 :  
0000 59 PRCDEF : DEFINE PROCESS WORK AREA  
0000 60 WRKDEF : DEFINE COMMAND WORK AREA  
0000 61 SSCLITABDEF : DEFINE TABLE STRUCTURE  
0000 62 PTRDEF : DEFINE RESULT PARSE DESCRIPTOR  
0000 63 RPWDEF : RESULT PARSE WORK DEFINITIONS  
0000 64 PLMDEF : PARAMETER LIMIT DEFINITIONS  
0000 65 SCLIDEF : CLI DEFINITIONS  
0000 66 SCLIMSGDEF : CLI MESSAGE DEFINITIONS  
0000 67 :  
0000 68 :  
0000 69 : OWN STORAGE:  
0000 70 :  
0000 71 :  
00000000 72 .PSECT DCLSZCODE BYTE, RD, NOWRT  
0000 73 :

0000 75  
 0000 76 .DSABL LSB  
 0000 77 :SBTTL GET QUALIFIER DESCRIPTOR BLOCK  
 0000 78 ++  
 0000 79 FUNCTIONAL DESCRIPTION:  
 0000 80  
 0000 81 THIS ROUTINE IS CALLED TO LOCATE THE COMMAND QUALIFIER  
 0000 82 DESCRIPTOR BLOCK FOR A SPECIFIC QUALIFIER.  
 0000 83 ALTERNATE ENTRY TO CHECK THAT QUALIFIER IS A PARAMETER  
 0000 84 QUALIFIER AS OPPOSED TO AN OUTPUT SPECIFIER.  
 0000 85  
 0000 86 CALLING SEQUENCE:  
 0000 87  
 0000 88 BSB/JSB DCLSGETQUALDESC : GET QUALIFIER DESCRIPTOR  
 0000 89 BSB/JSB DCLSGETPARMQUAL : GET PARAMETER QUALIFIER DESCRIPTOR  
 0000 90  
 0000 91 INPUT PARAMETERS:  
 0000 92 R1 IS THE CODE TO IDENTIFY THE QUALIFIER  
 0000 93  
 0000 94 IMPLICIT INPUTS:  
 0000 95 R8 = ADDRESS OF UTILITY BIT ARRAY  
 0000 96 R9 = ADDRESS OF REQUEST DESCRIPTOR  
 0000 97 R10 = ADDRESS OF WORK BLOCK  
 0000 98 R11 = ADDRESS OF PASS 1 PARSE WORK AREA  
 0000 99  
 0000 100  
 0000 101  
 0000 102 OUTPUT PARAMETERS:  
 0000 103 R2 IS THE ADDRESS OF THE QUALIFIER DESCRIPTOR BLOCK  
 0000 104  
 0000 105 COMPLETION CODES:  
 0000 106 R0 = SUCCESS/FAIL DEPENDING OF WHETHER THE DESCRIPTOR WAS FOUND  
 0000 107  
 0000 108 SIDE EFFECTS:  
 0000 109 TOP LEVEL RETURN (RET) TAKEN IF SEARCH FAILS  
 0000 110  
 0000 111  
 0000 112  
 0000 113  
 0000 114  
 0000 115  
 0000 116 .ENABL LSB  
 0000 117  
 0000 118 DCLSGETPARMQUAL:: : GET A PARAMETER QUALIFIER DESCRIPTOR  
 0000 119 DCLSGETQUALDESC:: : FIND A QUALIFIER DESCRIPTOR  
 50 51 D0 0000 120 MOVL R1, R0 : COPY QUALIFIER NUMBER  
 19 19 19 0005 121 BEQL 90\$ : ZERO IS INVALID QUALIFIER NUMBER  
 52 CA AB D0 0005 122 MOVL WRK\_L\_QUABLK(R11), R2 : POINT AT START OF QUALIFIER BLOCKS  
 13 13 13 0009 123 BEQL 90\$ : BR IF NONE  
 08 08 11 0008 124 BRB 20\$ : START OF SEARCH  
 08 A2 D5 000D 125 10\$: TSTL ENT\_L\_NEXT(R2) : TEST OFFSET TO NEXT  
 0C 0C 13 0010 126 BEQL 90\$ : BR IF THIS IS LAST  
 52 08 A2 C1 0012 127 ADDL3 ENT\_L\_NEXT(R2) : FIND ADDRESS OF NEXT ENT BLOCK  
 F2 DE AB 0012 128 WRK\_L\_TAB\_VEC(R11), R2 : COUNT DOWN QUALIFIER NUMBER  
 50 F2 50 F5 0018 129 20\$: SOBGTR R0, T0\$ : INDICATE DESCRIPTOR FOUND  
 50 D6 001B 130 INCL R0 : BACK TO THE CALLER  
 05 001D 131 RSB

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- DCL RESULT PARSE SUBROUTINES  
GET QUALIFIER DESCRIPTOR BLOCK

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001E	132			
001F	133	90\$:	SETSTAT INVQUALNUM	: SET ERROR-INVALID QUALIFER NUMBER
0023	134		RET	: GO BACK TO DISPATCHER
0024	135			
0024	136		.DSABL LSB	

0024 138 .SBTTL FIND COMMAND QUALIFIER  
 0024 139 ++  
 0024 140 FUNCTIONAL DESCRIPTION:  
 0024 141  
 0024 142 THIS COROUTINE IS CALLED TO SEARCH FOR A  
 0024 143 COMMAND QUALIFIER IN THE RANGE OF THE CURRENT COMMAND.  
 0024 144 THE SEARCH IS DONE OUT TO THE FIRST PARAMETER APPEARING  
 0024 145 IN THE COMMAND, THEN FROM THE START OF THE FIRST PARAMETER  
 0024 146 IN THE RANGE OF THE CURRENT COMMAND TO THE END OF THE  
 0024 147 RANGE OF THE CURRENT COMMAND.

## CALLING SEQUENCE:

BSB/JSB DCLSLOCMDQUAL

## INPUT PARAMETERS:

R1 IS THE CODE OF THE QUALIFIER TO LOCATE

## IMPLICIT INPUTS:

R8 = ADDRESS OF UTILITY BIT ARRAY  
 R9 = ADDRESS OF REQUEST DESCRIPTOR  
 R10 = ADDRESS OF WORK BLOCK  
 R11 = ADDRESS OF PASS 1 PARSE WORK AREA

## OUTPUT PARAMETERS:

R4 IS RETURNED AS THE ADDRESS OF THE DESCRIPTOR IF FOUND  
 R5 IS THE INDEX TO THE DESCRIPTOR IF FOUND

## COMPLETION CODES:

R0 IS SET TRUE OR FALSE DEPENDING OF SUCCESS OF SEARCH

## SIDE EFFECTS:

REGISTERS R4, R5 & R6 ARE USED BY THIS ROUTINE  
AND MUST BE PRESERVED ACCROSS COROUTINE RETURNS.

## DCLSFDNDCMDQUAL::

56 55 01 00	0024 180	DCLSFDNDCMDQUAL::	: LOCATE THE COMMAND QUALIFIER
40 AA DE	0024 181	MOVL #1,R5	: SET INDEX TO START SEARCH
50 D4 0028	0024 182	MOVAL RPW_G_PRMLIM(R10),R6	: START OF PARAMETER LIMIT DESCRIPTORS
08 AA 55 91	0024 183	10S: CLR L R0	: ASSUME NO MORE QUALIFIERS
OE 1F 0031	0024 184	CMPB R5,RPW_B_STRPARM(R10)	: THIS DESCRIPTOR IN RANGE OF VERB
06 12 0033	0024 185	BLSSU 40\$	: BR IF YES
55 01 A6 9A	0024 186	BNEQ 30\$	: BR IF WITHIN A PARAMETER
1C 13 0039	0024 187	20S: MOVZBL PLH_B_FSTDESC(R6),R5	: SET INDEX OF PLACE TO START LOOKING
02 A6 55 91	0024 188	BEQL 70\$	: BR WHEN DONE
11 1A 003F	0024 189	30S: CMPB R5,PLH_B_LSTDESC(R6)	: IS THIS WITHIN THE CURRENT PARAMETER?
3E 10 0041	0024 190	BGTRU 60\$	: BR IF OUT OF RANGE OF THIS PARAMETER
04 1C ED 0043	0024 191	40S: BSBB DCLSSETDESCADR	: SET ADDRESS OF RESULT DESCRIPTOR
00 64 0046	0024 192	CMPZV #PTR_V_TYPE,#PTR_S_TYPE,-	: VIELD LIMITS FOR TYPE
04 12 0048	0024 193	PTR_C_DESCR(R4),#PTR_K_CMDQUAL	: IF THIS A COMMAND QUALIFIER?
	0024 194	BNEQ 50\$	: BR IF NO-CONTINUE SEARCH

50	D6	004A	195		INCL	R0	: SET SUCCESS	
9E	16	004C	196	50\$:	JSB	@(SP)+	: RETURN WITH QUALIFIER	
55	D6	004E	197	50\$:	INCL	R5	: ADVANCE INDEX TO NEXT DESCRIPTOR	
D9	11	0050	198		BRB	10\$	: CHECK AGAIN	
56	04	C0	0052	199	60\$:	ADDL	#PLM_K_SIZE,R6	: SET TO NEXT PARAMETER LIMIT DESCRIPTOR
DE	11	0055	200		BRB	20\$	: TRY NEXT PARAMETER	
	05	0057	201	70\$:	RSB		: RETURN WITH VALUE OR ZERO	

0058 203 .SBTTL EXTRACT RESULT DESCRIPTOR FIELDS  
 0058 204 ++  
 0058 205 FUNCTIONAL DESCRIPTION:  
 0058 206 THIS ROUTINE IS CALLED TO TAKE A RESULT DESCRIPTOR APART  
 0058 207 AND RETURN ITS COMPONENT PART AS INDIVIDUAL VALUES.  
 0058 208  
 0058 209  
 0058 210 CALLING SEQUENCE:  
 0058 211  
 0058 212 BSB/JSB DCL\$EXTNXTDESC ; EXTRACT NEXT DESCRIPTOR  
 0058 213 BSB/JSB DCL\$GETTEXTDESC ; GET AND EXTRACT DESCRIPTOR  
 0058 214 BSB/JSB DCL\$EXTRSLDESC ; EXTRACT RESULT DESCRIPTOR  
 0058 215  
 0058 216 INPUT PARAMETERS:  
 0058 217 AT EXTRSLDESC WITH R4 CONTAINS THE ADDRESS OF THE DESCRIPTOR  
 0058 218 AT EXTNXTDESC WITH R6 CONTAINS THE ADDRESS OF THE PARAMETER  
 0058 219 LIMIT DESCRIPTOR.  
 0058 220  
 0058 221  
 0058 222 IMPLICIT INPUTS:  
 0058 223 R8 = ADDRESS OF UTILITY BIT ARRAY  
 0058 224 R9 = ADDRESS OF REQUEST DESCRIPTOR  
 0058 225 R10 = ADDRESS OF WORK BLOCK  
 0058 226 R11 = ADDRESS OF PASS 1 PARSE WORK AREA  
 0058 227  
 0058 228 OUTPUT PARAMETERS:  
 0058 229  
 0058 230 R1 = TYPE  
 0058 231 R2 = SIZE OR VALUE DEPENDING ON THE DESCRIPTOR  
 0058 232 R3 = ADDRESS OF THE ITEM  
 0058 233 R4 = ADDRESS OF DESCRIPTOR  
 0058 234  
 0058 235 COMPLETION CODES:  
 0058 236 R0 = SUCCESS/FAILURE DEPENDING ON RESULT OF SEARCH  
 0058 237  
 0058 238 --  
 0058 239 .ENABL LSB  
 0058 240  
 0058 241 DCL\$EXTNXTDESC:: : EXTRACT NEXT COMPLETE DESCRIPTOR  
 0058 242 SETSTAT FAIL : ASSUME WONT FIND ONE  
 0058 243 MOVZBL PLM\_B\_NXTDESC(R6),R5 : SET POINTER TO DESCRIPTOR  
 0058 244 BEQL 40\$ : BR IF PARAMETER SET IS MISSING  
 0058 245 CMPB R5,PLM\_B\_LSTDESC(R6) : IS THIS IN RANGE OF CURRENT PARAMETER?  
 0058 246 BGTU 40\$ : BR IF NO  
 0058 247 INCB PLM\_B\_NXTDESC(R6) : ADVANCE INDEX TO NEXT  
 0058 248 INCL R0 : SET ANY SUCCESSFUL STATUS  
 0058 249  
 0058 250 DCL\$GETTEXTDESC:: : GET AND EXTRACT NEXT DESCRIPTOR  
 0058 251 BSB : SET ADDRESS OF RESULT DESCRIPTOR  
 0058 252 DCL\$SETDESCADR : EXTRACT FOR RESULT DESCRIPTION  
 0058 253 DCL\$EXTRSLDESC:: :  
 0058 254 EXTZV #PTR\_V\_OFFSET,#PTR\_S\_OFFSET,- : START BIT AND SIZE OF OFFSET  
 0058 255 PTR [DESCR(R4)] R3 : GET OFFSET INTO R3  
 0058 256 MOVAB WRK\_G\_BUFFER(R1)[R3],R3 : FIND ADDRESS OF ITEM IN BUFFER  
 0058 257 EXTZV #PTR\_V\_VALUE,#PTR\_S\_VALUE,- : START BIT AND SIZE OF VALUE  
 0058 258 PTR [DESCR(R4)],R2 : GET VALUE INTO R2  
 0058 259 EXTZV #PTR\_V\_TYPE,#PTR\_S\_TYPE,- : START BIT AND SIZE OF TYPE  
  
 55 66 9A 005A 245  
 21 13 005D 246  
 02 A6 55 91 005F 247  
 18 1A 0063 248  
 66 96 0065 249  
 50 D6 0067 250  
 16 10 0069 251  
 0C 08 EF 006B 252  
 53 64 006E 253  
 08 00 EF 0070 254  
 52 64 0079 255  
 04 1C EF 007B 256  
 CB43 9E 0070 257  
 F492 00 EF 0076 258  
 00 00 EF 0078 259

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- DCL RESULT PARSE SUBROUTINES  
EXTRACT RESULT DESCRIPTOR FIELDS

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51 64 007E 260 : PTR\_L\_DESCR(R4),R1 ; GET TYPE INTO R1  
05 0080 261 408: RSB ;  
0081 262 .DSABL LSB  
0081 263

54 55 0C C5 0081  
54 F9AA CB44 9E 0085  
05 008B 294

0081 265 .SBTTL SET RESULT DESCRIPTOR ADDRESS  
0081 266  
0081 267  
0081 268  
0081 269  
0081 270  
0081 271  
0081 272  
0081 273  
0081 274  
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0081 292  
0081 293  
0081 294

\*\*\* FUNCTIONAL DESCRIPTION:  
THIS ROUTINE IS CALLED TO SET THE ADDRESS OF A RESULT DESCRIPTOR INTO R4.

CALLING SEQUENCE:  
BSB/JSB DCLSSETDESCADR

INPUT PARAMETERS:  
RS CONTAINS THE INDEX FOR THE DESIRED DESCRIPTOR

IMPLICIT INPUTS:  
R10 = ADDRESS OF WORK BLOCK  
R11 = ADDRESS OF PASS 1 PARSE WORK AREA

OUTPUT PARAMETERS:  
R4 IS LOADED WITH THE ADDRESS OF THE DESCRIPTOR

--

DCLSSETDESCADR::  
MULL3 #PTR\_C\_LENGTH,RS,R4 : GET BYTE OFFSET OF DESCRIPTOR  
MOVAB WRK\_G\_RESULT-PTR\_C\_LENGTH(R11)[R4],R4 : GET ADDRESS OF DESCRIPTOR  
RSB

008C 296 .SBTTL GET PARAMETER  
 008C 297 \*\*  
 008C 298 FUNCTIONAL DESCRIPTION:  
 008C 299 THIS ROUTINE IS CALLED TO SEARCH THE RESULT DESCRIPTOR  
 008C 300 BUFFER FOR THE NEXT OCCURANCE OF A PRARMETER  
 008C 301  
 008C 302 CALLING SEQUENCE:  
 008C 303 BSB/JSB DCLSGETPARM ; GET A PARAMETER  
 008C 304  
 008C 305 INPUT PARAMETERS:  
 008C 306 R5 CONTAINS THE INDEX OF NEXT DESCRIPTOR TO CHECK  
 008C 307  
 008C 308 IMPLICIT INPUTS:  
 008C 309 R8 = ADDRESS OF UTILITY BIT ARRAY  
 008C 310 R9 = ADDRESS OF REQUEST DESCRIPTOR  
 008C 311 R10 = ADDRESS OF WORK BLOCK  
 008C 312 R11 = ADDRESS OF PASS 1 PARSE WORK AREA  
 008C 313  
 008C 314 OUTPUT PARAMETERS:  
 008C 315 R1 CONTAINS THE TYPE OF THE DESCRIPTOR(IE:PTR\_K\_PARAMETR)  
 008C 316 R2 CONTAINS THE SIZE OF THE PARAMETER  
 008C 317 R3 CONTAINS THE PRECEEDING TERMINATOR  
 008C 318 R4 CONTAINS THE ADDRESS OF THE PARAMETER DESCRIPTOR  
 008C 319 R5 IS THE INDEX TO THE DESCRIPTOR  
 008C 320  
 008C 321 COMPLETION CODES:  
 008C 322 R0 = SUCCESS/FAIL DEPENDING ON THE RESULT OF THE SEARCH  
 008C 323  
 008C 324 ;--  
 008C 325  
 008C 326 DCLSGETPARM:: : GET THE NEXT PARAMETER  
 008C 327 SETSTAT FAIL : ASSUME NO MORE PARAMETERS  
 008C 328 10\$: INCL R5 : ADVANCE INDEX  
 008C 329 BSBB DCLSGETTEXTDESC : GET DESCRIPTOR AND EXTRACT FIELDS  
 008C 330 EXTZV #PTR\_V\_TERM,#PTR\_S\_TERM,- : GET THE TERMINATOR FORM THE PRVIOUS  
 008C 331 -PTR\_C\_LENGTH(R4),R3 : DESCRIPTOR AND SAVE IN R3  
 008C 332 CMPB R1,#PTR\_K\_ENDLINE : IS THIS THE END OF LINE?  
 008C 333 BEQL 30\$ : NO MORE PARAMETERS  
 008C 334 CMPB R1,#PTR\_K\_PARAMETR : IS THE CURRENT A PARAMETER?  
 008C 335 BNEQ 10\$ : BR IF NO-TRY NEXT  
 008C 336 SETSTAT SUCCESS : SET FOUND ONE  
 008C 337 RSB : RETURN TO CALLER  
 008C 338  
 008C 339  
 008C 340  
 008C 341  
 008C 342  
 008C 343 30\$: RSB

53 04 55 D6 008E  
 04 F4 D7 10 0090  
 04 A6 EF 0092  
 03 08 51 91 0098  
 03 08 51 13 0098  
 05 00A5 51 91 009D  
 05 00A5 EC 12 00A0  
 05 00A5 00A2 342  
 05 00A5 343 30\$: RSB



03 A6 55 90 00FA 402 MOVB R5,PLM\_B\_TRMDESC(R6) : SAVE DESCRIPTOR OF PARAMETER TERMINATOR  
86 D5 00FE 403 TSTL (R6)+ : POINT AT NEXT PARAMETER LIMIT DESCRIPTOR  
C6 11 0100 404 BRB 10\$ : SCAN NEXT PARAMETER  
03 A6 55 90 0102 405 90\$: SETSTAT SUCCESS : SET ALL IS GOOD  
04 0105 406 MOVB R5,PLM\_B\_TRMDESC(R6) : SAVE FINAL TERMINATOR  
04 0109 407 RET : RETURN TO DISPATCHER  
010A 408 :  
010A 409 : SET WORK ADDRESS  
010A 410 :  
00000000'EF 00000000'EF 010A 411 DCL\$GETDCLWRK:: :  
5B 04 AB 16 010A 412 JSB CL\$GET\_PRC : GET ADDRESS OF CLI PROCESS WORK AREA  
D0 0110 413 MOVL PRC\_L\_SAVFP(R11),R11 : GET ADDRESS OF COMMAND WORK AREA  
05 0114 414 RSB :  
0115 415 .END : RETURN TO CALLER

## - DCL RESULT PARSE SUBROUTINES

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CLISC WORKAREA	= 00000080		PRC_L_OUTRABCTX	00000118
CLISGET PRC	***** X 02		PRC_L_PPFLIST	00000070
CLIS INQQUALNUM	= 0003881A		PRC_L_RECALLPTR	0000012F
DCLSEXTRNXTDESC	00000058	RG 02	PRC_L_RESTART	00000058
DCLSEXTRSLDESC	00000068	RG 02	PRC_L_SAVAP	00000000
DCLSFNDCMDQUAL	00000024	RG 02	PRC_L_SAVFP	00000004
DCLSGETDCLWRK	0000010A	RG 02	PRC_L_SEVERITY	00000050
DCLSGETEXTDESC	00000069	RG 02	PRC_L_SPWN	000000C0
DCLSGETPARM	0000008C	RG 02	PRC_L_STACKLM	000000A4
DCLSGETPARMQUAL	00000000	RG 02	PRC_L_STACKPT	000000A0
DCLSGETQUALDESC	00000000	RG 02	PRC_L_STATUS	00000054
DCLSRPINIT	000000A6	RG 02	PRC_L_STS	00000084
DCLSSETDESCADR	00000081	RG 02	PRC_L_STV	00000088
ENT_L_NEXT	= 00000008		PRC_L_SYMBOL	00000060
ENT_V_IMPCAT	= 00000007		PRC_L_TMBX	00000074
ENT_W_FLAGS	= 00000004		PRC_L_TRMLIST	00000010
PLM_B_FSTDESC	00000001		PRC_Q_ALLOCREG	00000020
PLM_B_LSTDESC	00000002		PRC_Q_COMMAND	000000E0
PLM_B_NXTDESC	00000000		PRC_Q_FLUSHTIME	000000D0
PLM_B_QUADESC	00000003		PRC_Q_GLOBAL	00000028
PLM_B_TRMDESC	00000003		PRC_Q_IMAGENAME	000000D8
PLM_C_SIZE	00000004		PRC_Q_KEYPAD	00000040
PLM_K_SIZE	00000004		PRC_Q_LABEL	00000030
PRC_B_CONTINUE	000000F3		PRC_Q_LOCAL	00000038
PRC_B_DEFRADIX	000000AE		PRC_Q_SAVEPRIV	000000E8
PRC_B_EXMDEPMOD	000000AD		PRC_T_OUTDVI	0000011C
PRC_B_EXMDEPWID	000000AC		PRC_W_ASTIOSB	000000C6
PRC_B_EXONLYL	0000012D		PRC_W_ASTRETN	000000C8
PRC_B_FLAGS2	000000AF		PRC_W_ASTSTATUS	000000C4
PRC_B_IMGFLAG	00000078		PRC_W_ATTMBX	0000007A
PRC_B_OUTFLAGS	0000012C		PRC_W_FLAGS	00000068
PRC_B_PROMPTLEN	000000F0		PRC_W_INPCHAN	00000064
PRC_C_LENGTH	00000534		PRC_W_ONLEVEL	0000006A
PRC_G_COMMANDS	00000133		PRC_W_OUTIFI	00000114
PRC_G_PROMPT	000000F4		PRC_W_OUTISI	00000116
PRC_K_LENGTH	00000534		PRC_W_OUTMBXCHN	000000CA
PRC_L_CURRKY	00000048		PRC_W_OUTMBXREF	000000CE
PRC_L_EXMDEPADR	000000A8		PRC_W_OUTMBXSIZ	000000CC
PRC_L_EXTARG	00000094		PRC_W_PMPCTRL	000000F1
PRC_L_EXTBLOCK	0000008C		PRC_W_WAITIOSB	00000066
PRC_L_EXTCOD	0000009C		PTR_B_LEVEL	00000004
PRC_L_EXTHND	00000090		PTR_B_NUMBER	00000005
PRC_L_EXTPRM	00000098		PTR_B_PARMCNT	00000006
PRC_L_IDFLNK	000000BC		PTR_B_VALUE	00000000
PRC_L_IMGACTSTS	00000080		PTR_C_LENGTH	0000000C
PRC_L_IND CLOCK	0000007C		PTR_K_BLANK	= 00000001
PRC_L_INDEPTH	0000005C		PTR_K_COMDQUAL	= 00000000
PRC_L_INDFAB	0000001C		PTR_K_COMMA	= 00000005
PRC_L_INDINPRAB	00000014		PTR_K_ENDLINE	= 00000004
PRC_L_INDOUTRAB	00000018		PTR_K_LENGTH	= 0000000C
PRC_L_INPRAB	00000008		PTR_K_PARAMETR	= 00000003
PRC_L_LASTKEY	0000004C		PTR_L_DESCR	= 00000000
PRC_L_LSTSTATUS	00000080		PTR_L_ENTITY	= 00000008
PRC_L_DNCTLY	000000B8		PTR_S_OFFSET	= 0000000C
PRC_L_ONERROR	0000006C		PTR_S_TERM	= 00000004
PRC_L_OUTOFBAND	000000B4		PTR_S_TYPE	= 00000004
PRC_L_OUTRAB	0000000C		PTR_S_VALUE	= 00000008

PTR_V_OFFSET	= 00000008
PTR_V_TERM	= 00000018
PTR_V_TYPE	= 0000001C
PTR_V_VALUE	= 00000000
RPW_B_LSTDESC	= 00000009
RPW_B_STRPARM	= 00000008
RPW_C_HDRSIZ	= 00000040
RPW_C_LENGTH	= 00000080
RPW_G_BITS	= 00000020
RPW_G_PRMLIM	= 00000040
RPW_K_HDRSIZ	= 00000040
RPW_K_LENGTH	= 00000080
RPW_L_DCLWRK	= 00000004
RPW_L_USERCTX	= 00000000
WRK_B_CMDOPT	= FFFFFFFC3
WRK_B_MAXPARM	= FFFFFFFD0
WRK_B_MINPARM	= FFFFFFFD1
WRK_B_PARMCNT	= FFFFFFFCE
WRK_B_PARMSUM	= FFFFFFFCF
WRK_B_RECALLCNT	= FFFFFFFC5
WRK_B_VALLEV	= FFFFFFFC4
WRK_B_VERBTYP	= FFFFFFFC2
WRK_C_LENGTH	= FFFFF486
WRK_G_BUFFER	= FFFFF492
WRK_G_INPBUF	= FFFFF896
WRK_G_RESULT	= FFFFF9B6
WRK_K_LENGTH	= FFFFF486
WRK_L_CHARPTR	= FFFFF48E
WRK_L_DISALLOW	= FFFFFFFE6
WRK_L_ERRORRTN	= FFFFF9AE
WRK_L_EXPANDPTR	= FFFFF486
WRK_L_IMAGE	= FFFFFFFE2
WRK_L_MARKPTR	= FFFFF48A
WRK_L_PAROUT	= FFFFFFFD2
WRK_L_PMPTADDR	= FFFFF9A2
WRK_L_PROMPTRTN	= FFFFF9A6
WRK_L_PROPTR	= FFFFFFFC6
WRK_L_QUABLK	= FFFFFFFCA
WRK_L_READRTN	= FFFFF9AA
WRK_L_RECALLPTR	= FFFFFFFEA
WRK_L_RSLEND	= FFFFFFFB6
WRK_L_RSLNXT	= FFFFFFFBA
WRK_L_SAVAP	= FFFFFFFF8
WRK_L_SAVFP	= FFFFFFFFC
WRK_L_SAVSP	= FFFFFFFF4
WRK_L_SIGNALRTN	= FFFFFFFD6
WRK_L_SPECRTN	= FFFFF9B2
WRK_L_TAB_VEC	= FFFFFFFDE
WRK_L_VERB	= FFFFFFFBE
WRK_W_FLAGS	= FFFFFFFF0
WRK_W_FLAGS2	= FFFFFFFF2
WRK_W_IMGCHAN	= FFFFFFFEE
WRK_W_PMPTLEN	= FFFF99E

RPSUB  
Psect synopsis

- DCL RESULT PARSE SUBROUTINES

C 8

16-SEP-1984 00:14:19 VAX/VMS Macro V04-00  
4-SEP-1984 23:43:05 [DCL.SRC]RPSUB.MAR;1

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+-----+  
! Psect synopsis !  
+-----+

PSECT name

-----  
ABS .  
\$ABSS  
DCLSZCODE

Allocation

	Allocation	PSECT No.	Attributes
00000000	{ 0.)	00 { 0.)	NOPIC USR CON
FFFFFFFFFF	{ 0.)	01 { 1.)	NOPIC USR CON
000000115	{ 277.)	02 { 2.)	NOPIC USR CON

ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
\$ABSS	LCL	NOSHR	EXE	RD	WRT	NOVEC	BYTE
DCLSZCODE	LCL	NOSHR	EXE	RD	NOWRT	NOVEC	BYTE

+-----+  
! Performance indicators !  
+-----+

Phase

-----

Page faults

CPU Time

Elapsed Time

Initialization	9	00:00:00.11	00:00:00.42
Command processing	83	00:00:00.81	00:00:05.05
Pass 1	250	00:00:09.13	00:00:22.27
Symbol table sort	0	00:00:01.20	00:00:02.81
Pass 2	72	00:00:01.69	00:00:06.40
Symbol table output	20	00:00:00.16	00:00:00.68
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	436	00:00:13.14	00:00:37.67

The working set limit was 1200 pages.

45492 bytes (89 pages) of virtual memory were used to buffer the intermediate code.

There were 50 pages of symbol table space allocated to hold 815 non-local and 18 local symbols.

415 source lines were read in Pass 1, producing 13 object records in Pass 2.

34 pages of virtual memory were used to define 20 macros.

+-----+  
! Macro library statistics !  
+-----+

Macro library name

-----  
\$255\$DUA2B:[SYSLIB]SYSBLDMLB.MLB;1  
\$255\$DUA2B:[DCL.OBJ]DCL.MLB;1  
\$255\$DUA2B:[SYS.OBJ]LIB.MLB;1  
\$255\$DUA2B:[SYSLIB]STARLET.MLB;2  
TOTALS (all libraries)

Macros defined

\$255\$DUA2B:[SYSLIB]SYSBLDMLB.MLB;1	0
\$255\$DUA2B:[DCL.OBJ]DCL.MLB;1	8
\$255\$DUA2B:[SYS.OBJ]LIB.MLB;1	0
\$255\$DUA2B:[SYSLIB]STARLET.MLB;2	4
TOTALS (all libraries)	12

956 GETS were required to define 12 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS:RPSUB/OBJ=OBJ\$:RPSUB MSRC\$:RPSUB/UPDATE=(ENH\$:RPSUB)+EXECMLS/LIB+LIBS:DCL/LIB+SYSSLIBRARY:SYSBLDMLB/LIB

0073 AH-BT13A-SE  
VAX/VMS V4.0

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